

IN THE CLAIMS:

Please amend claims 1, 12 and 16 as follows.

1. (Currently Amended) A method of trace activation in a mobile communications system, wherein a mobile station is in communication with a mobile communications network, the method comprising the steps of:

defining a predefined trace activation number;

directing a communication from the mobile station to said predefined trace activation number of a tracing facility for activating tracing for the mobile station, wherein the tracing facility includes a receiver of the communication;

activating tracing at the tracing facility for the mobile station from which the communication originates;

tracing mobile communications system activities of a trace activation event relating to the mobile station from which the communication originates; and

generating a trace report for the mobile station.

2. (Previously Presented) The method according to claim 1, wherein the directed communication is a call from the mobile station and tracing is activated for the calling mobile station, and the method further comprises the step of:

deactivating tracing when the call is ended.

3. (Previously Presented) The method according to claim 1, wherein the directed communication is a message from the mobile station.

4. (Previously Presented) The method according to claim 3, wherein the method further comprises a step of:

deactivating tracing when a preset time period is elapsed.

5. (Previously Presented) The method according to claim 3, wherein the method further comprises a step of:

deactivating tracing when a second message from the mobile station is directed to the predefined trace activation number.

6. (Previously Presented) The method according to claim 1, wherein the method further comprises a step of:

defining at least one said trace activation number.

7. (Previously Presented) The method according to claim 1, wherein the communication is directed to the predefined trace activation number directly from the mobile station.

8. (Previously Presented) The method according to claim 1, wherein the communication is forwarded to the predefined trace activation number.

9. (Previously Presented) The method according to claim 1, wherein tracing is activated and deactivated automatically at the switching center.

10. (Previously Presented) The method according to claim 1, wherein subscriber tracing is activated for the mobile station.

11. (Previously Presented) The method according to claim 1, wherein equipment tracing is activated for the mobile station.

12. (Currently Amended) A mobile communication system comprising:
at least one mobile station;
a communications network with which said at least one mobile station is arranged to communicate; and

a tracing facility for tracing mobile communications system activities relating to at least one of said mobile stations, wherein the tracing facility has a predefined trace activation number for activating tracing of mobile communications system activities of a trace activation event relating to said at least one mobile station in response to a communication from said at least one mobile station to the predefined trace activation number, wherein the tracing facility includes a receiver of the communication.

13. (Previously Presented) The mobile communications system according to claim 12, wherein the tracing facility comprises:

means for receiving said communication; and

means for activating said tracing in response to said communication.

14. (Previously Presented) The method according to claim 1, further comprising:
recording all information available to a network concerning a call path, including internal messages of the network.

15. (Previously Presented) The mobile communications system according to claim 12, further comprising:

recording mechanism for recording all information available to a network concerning a call path, including internal messages of the network.

16. (Currently Amended) A system for trace activation, wherein a mobile station is in communication with a mobile communications network, the system comprising:

a tracing facility having a predefined trace activation number and configured to trace mobile communications network activities of a trace activation event relating to a mobile station;

directing means for directing a communication from a mobile station to the predefined trace activation number of the tracing facility for activating tracing of mobile communications network activities relating to the mobile station;

activating means for activating tracing at the tracing facility for the mobile station from which the communication originates; and

generating means for generating a trace report for the mobile station,

wherein the tracing facility includes a receiver of the communication.